

77780



SEQUENCE LISTING

RECEIVED  
JAN 17 2002  
TECH CENTER 1600/2900

<110> Stanton, Jr., Vincent P.

<120> GENE SEQUENCE VARIANCE IN GENES RELATED  
TO FOLATE METABOLISM HAVING UTILITY IN DETERMINING THE  
TREATMENT OF DISEASE

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<150> 09/596,033

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<213> Homo sapiens

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<222> 577, 638, 1708, 3730, 3925

<223> n = a or g

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&lt;211&gt; 2816

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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 <222> 175, 1067  
 <223> n = g or a

<221> misc\_feature  
 <222> 341  
 <223> n = c or g

<221> misc\_feature  
 <222> 791, 1997, 2618, 2653  
 <223> n = t or c

<221> misc\_feature  
 <222> 1337  
 <223> n = c or a

<221> misc\_feature  
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 <223> n = t or g

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<222> 498

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<222> 579, 599

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&lt;210&gt; 6

&lt;211&gt; 1536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1066

&lt;223&gt; n = t or c

&lt;221&gt; misc\_feature

&lt;222&gt; 1136

&lt;223&gt; n = a or g

<221> misc\_feature

<222> 1497

<223> n = t or a

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<210> 7

<211> 1187

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 276, 321, 534, 656

<223> n = c or t

<221> misc\_feature

<222> 452, 640

<223> n = a or g

<221> misc\_feature

<222> 492, 625

<223> n = c or a

<221> misc\_feature

<222> 458

<223> nucleotide in position 458 is c, or absent

<400> 7

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<210> 8

<211> 18597

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 701, 13751

<223> n = c or a

<221> misc\_feature

<222> 716, 1293, 2401, 2429, 2618, 3083, 3125, 3635, 4256, 4898, 5062, 5167, 11069, 13298, 14479, 14730, 14796, 15344, 15450, 15503, 15590, 15840, 16149

<223> n = a or g

<221> misc\_feature

<222> 732, 1379, 1590, 2488, 3212, 5006, 11238, 11422, 11686, 12598, 13171, 13645, 13782, 13806, 13813, 14586, 14788, 15042, 15546, 15770

<223> n = c or t

<221> misc\_feature

<222> 1322, 1688

<223> n = c or g

<221> misc\_feature

<222> 2594, 11293, 16199, 16203

<223> n = g or t

<221> misc\_feature

<222> 3619

<223> n = a or t

<221> misc\_feature

<222> 14547

<223> nucleotide in position 14547 is t, or absent

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<221> misc\_feature

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<223> n = c or g

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<222> 1399

<223> n = t or a

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<222> 1636, 1738, 2259

<223> n = c or t

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105

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<221> misc\_feature

<222> 483

<223> n = c or t

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<222> 601

<223> n = g or c

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<213> Homo sapiens

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<222> 439, 1333, 1979, 2151, 2469, 2977, 4784, 5268, 5631, 5733

<223> n = g or a

<221> misc\_feature

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<223> nucleotide at position 1045 is c, or absent

<221> misc\_feature

<222> 1046

<223> nucleotide at position 1046 is t, or absent

<221> misc\_feature

<222> 2636, 5287

<223> n = c or g

<221> misc\_feature

<222> 3118

<223> n = g or t

<221> misc\_feature

<222> 3257, 4053

<223> n = a or c

<221> misc\_feature

<222> 5440

<223> n = t or a

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 <213> Homo sapiens

<220>  
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 <222> 802, 1900  
 <223> n = c or t

<221> misc\_feature  
 <222> 1747  
 <223> n = t or g

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 <211> 2630  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1424  
 <223> n = c or a

<221> misc\_feature  
 <222> 1649, 2554  
 <223> n = a or g

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<210> 14  
 <211> 2912

<212> DNA  
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<220>  
 <221> misc\_feature  
 <222> 263, 1037, 1139, 1955, 2017, 2037, 2189, 2309  
 <223> n = a or g

<221> misc\_feature  
 <222> 266  
 <223> n = g or t

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 <222> 527  
 <223> n = c or g

<221> misc\_feature  
 <222> 1217, 1647, 2282  
 <223> n = c or t

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<211> 2196

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

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<222> 1784

<223> n = a or g

<221> misc\_feature

<222> 464

<223> n = g or t

<221> misc\_feature

<222> 120, 519, 668, 1059, 1308

<223> n = c or t

<221> misc\_feature

<222> 1289

<223> n = c or a

<400> 15

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<211> 1137

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 575, 648

<223> n = t or c

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<222> 771

<223> n = g or c

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<222> 883

<223> n = g or a

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<222> 942

<223> nucleotide at position 942 is c, or absent

<221> misc\_feature

<222> 1052

<223> n = a or c

<400> 16

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